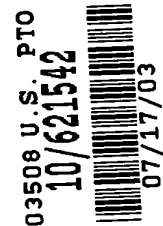


**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket No: 27392/27614

**PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53**

Commissioner for Patents  
Box Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing is the patent application of

Inventor: Werner Lautenschläger

Title: APPARATUS AND METHOD FOR TREATING CHEMICAL SUBSTANCES IN A  
MICROWAVE FIELD

**1. Type of Application**

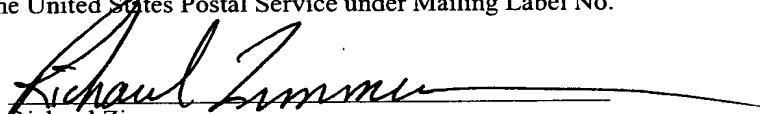
☒ This is a new application for a utility patent.

**2. Application Papers Enclosed**

- 1 Title Page
- 18 Pages of Specification (excluding claims, abstract, and drawings)
- 4 Pages of Claims
- 1 Page of Abstract
- 3 Sheets of Informal Drawings (Figs. 1 to 3)

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on July 17, 2003, in an envelope addressed to the Commissioner for Patents, Box Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV323778468US.

  
Richard Zimmermann

**3. Declaration or Oath**

- ☒ Enclosed
- ☒ Executed by (check all applicable boxes)
- ☒ Inventor
- ☐ Legal representative of inventor  
(37 CFR 1.42 or 1.43)
- ☐ Joint inventor or person showing a proprietary interest on behalf of  
inventor who refused to sign or cannot be reached
- ☐ The petition required by 37 CFR 1.47 and the statement  
required by 37 CFR 1.47 are enclosed. See Item 5D  
below for fee.
- ☐ Not enclosed - the undersigned attorney or agent is authorized to file this application  
on behalf of the applicant. An executed declaration will follow.

**4. Additional Papers Enclosed**

- ☒ Preliminary Amendment
- ☒ Information Disclosure Statement
- ☒ Return receipt postcard

**5. Priority Applications Under 35 USC 119**

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

- ☒ will follow.

COUNTRY	APPLICATION NO.	FILED
EPO	03 007 766.3	4 April 2003

6. **Filing Fee Calculation (37 CFR 1.16)**

A. ☒ **Utility Application**

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT(S) (IF ANY)						
			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$375.00		\$750.00
TOTAL	44 - 20	= 24	X 9 =	\$	X 18 =	\$432.00
INDEP.	4 - 3	= 1	X 42 =	\$	X 84 =	\$84.00
First Presentation of Multiple Dependent Claim			+ 140 =	\$	+ 280 =	
Filing Fee:				\$	<b>OR</b>	\$1,266.00

B. ☐ **Design Application (\$165.00/\$330.00)**

Filing Fee:

C. ☐ **Plant Application (\$255.00/\$510.00)**

Filing Fee:

D. **Other Fees**

☐ Recording Assignment [Fee — \$40.00 per assignment]

☐ Petition fee for filing by other than all the inventors  
or person on behalf of the inventor where inventor refused to sign  
or cannot be reached [Fee — \$130.00]

☐ Other

**Total Fees Enclosed \$1,266.00**

7. **Method of Payment of Fees**

☒ Enclosed check in the amount of:

\$1,266.00

☐ Charge Deposit Account No. 13-2855 in the amount of:  
A copy of this Transmittal is enclosed.

☐ Not enclosed

8. **Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

Please refund any overpayment to Marshall, Gerstein & Borun LLP at the address below.


9. **Correspondence Address**

Customer No. 04743

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP  
6300 Sears Tower  
233 South Wacker Drive  
Chicago, Illinois 60606-6357  
(312) 474-6300 (Telephone)  
(312) 474-0448 (Telefacsimile)

By:

  
James P. Zeller  
Reg. No. 28,491

July 17, 2003